

ABSTRACT OF THE DISCLOSURE

An apparatus for displaying a stereoscopic two-dimensional picture includes a display unit having a flat image display screen for displaying a two-dimensional picture containing a stereoscopic image and an image transmitting panel placed parallel to and apart from the image display screen. The image transmitting panel has a microlens array of a plurality of lenses and an effective area larger than that of the stereoscopic image contained in the two-dimensional picture, and a lens frame area surrounding a perimeter of the effective area of the microlens array. The image transmitting panel generates an image-formation plane for displaying a real image of the two-dimensional picture in a space located on an opposite side to the display unit with respect to the microlens array. The apparatus also includes a stereoscopic frame for defining a space for accommodating the image-formation plane.